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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/963,827

Confirmation No.: 1175

Applicant: Sullenger *et al.*

Filed: September 26, 2001

TC/AU.: 1635

Examiner: Sean McGarry

Docket No.: 10815.105005 RBI REG001

Customer No.: 20786

Title: RNA Aptamers and Methods for Identifying the Same

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Respectfully submitted,

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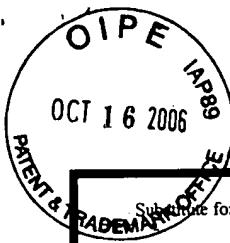
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Dated: October 11, 2006
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/963,827
Sheet	1	of	3	Filing Date	September 26, 2001
				First Named Inventor	Sullenger <i>et al.</i>
				Group Art Unit	1635
				Examiner Name	Sean R. McGarry
				Attorney Docket Number	10815.105005

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U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	AA	5,648,214	A	Nieuwlandt, <i>et al.</i>	07-15-1997
	AB	5,760,202	A	Cook <i>et al.</i>	06-02-1998
	AC	5,843,653	A	Gold <i>et al.</i>	12-01-1998
	AD	6,001,820	A	Hirsh <i>et al.</i>	12-14-1999
	AE	6,005,087	A	Cook <i>et al.</i>	12-21-1999
	AF	6,011,020	A	Gold <i>et al.</i>	01-04-2000
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	AH	6,110,900	A	Gold <i>et al.</i>	08-29-2000
	AI	6,117,557	A	Massie, II, <i>et al.</i>	09-12-2000
	AJ	6,316,198	B1	Skouv <i>et al.</i>	11-13-2001
	AK	2003-0083294	A1	Sullenger <i>et al.</i>	05-01-2003
	AL	2006-0040881	A1	Rusconi	02-23-2006

FOREIGN PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number		
	AM	EP	0,593,901	A2	Hoechst AG
	AN	WO	02/026932	A2	Duke University
	AO	WO	02/096926	A1	Duke University
	AP	WO	03/093422	A2	Schering

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	AQ	BEIGELMAN, L., <i>et al.</i> , "Chemical modification of hammerhead ribozymes. Catalytic activity and nuclease resistance," <i>J. Biol. Chem.</i> , 270(43):25702-25708 (October 25, 1995).			
	AR	BLACK, A.R., and AZIZKHAN-CLIFFORD, J., "Regulation of E2F: a family of transcription factors involved in proliferation control," <i>Gene</i> , 237(2):281-302 (September 17, 1999).			
	AS	CHASE, J.W., and WILLIAMS, K.R., "Single-stranded DNA binding proteins required for DNA replication," <i>Annu. Rev. Biochem.</i> , 55:103-136 (1986).			

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	BA	DALE, R.M., <i>et al.</i> , "Direct covalent mercuration of nucleotides and polynucleotides," <i>Biochemistry</i> , 14(11):2447-2457 (June 3, 1975).	
	BB	DAVIES, J., <i>et al.</i> , Chap. 8, p. 185, in <i>RNA World</i> (Cold Spring Harbor Laboratory Press; eds. Gestlaad and Atkins; 1993).	
	BC	DeANDA, A. Jr., <i>et al.</i> , "Pilot study of the efficacy of a thrombin inhibitor for use during cardiopulmonary bypass," <i>Ann. Thorac. Surg.</i> , 58(2):344-350 (August 1994).	
	BD	EICHORN, G.L., <i>et al.</i> , "Interaction of metal ions with polynucleotides and related compounds. XII. The relative effect of various metal ions on DNA helicity," <i>J. Am. Chem. Soc.</i> , 90(26):7323-7328 (December 18, 1968).	
	BE	FEUERSTEIN, G.Z., <i>et al.</i> , "Antithrombotic efficacy of a novel murine antihuman factor IX antibody in rats," <i>Arterioscler. Thromb. Vasc. Biol.</i> , 19(10):2554-2562 (October 1999).	
	BF	GOOD, P.D., <i>et al.</i> , "Expression of small, therapeutic RNAs in human cell nuclei," <i>Gene Ther.</i> , 4(1):45-54 (January 1997).	
	BG	GRiffin, L.C., <i>et al.</i> , "In vivo anticoagulant properties of a novel nucleotide-based thrombin inhibitor and demonstration of regional anticoagulation in extracorporeal circuits," <i>Blood</i> , 81(12):3271-3276 (June 15, 1993).	
	BH	HARBOUR, J.W., and DEAN, D.C., "The Rb/E2F pathway: expanding roles and emerging paradigms," <i>Genes Dev.</i> , 14(19):2393-2409 (October 1, 2000).	
	BI	HELIN, K., and ED, H., "The retinoblastoma protein as a transcriptional repressor," <i>Trends Cell Biol.</i> , 3(2):43-46 (February 1993).	
	BJ	HUNTER, T., "Braking the cycle," <i>Cell</i> , 75(5):839-841 (December 3, 1993).	
	BK	ISHIZAKI, J., <i>et al.</i> , "Inhibition of cell proliferation by an RNA ligand that selectively blocks E2F function," <i>Nature Med.</i> , 2(12):1386-1389 (December 1996).	
	BL	LA THANGUE, N.B., "DRTF1/E2F: an expanding family of heterodimeric transcription factors implicated in cell-cycle control," <i>Trends Biochem. Sci.</i> , 19(3):108-114 (March 1994).	
	BM	LEE, S.W., <i>et al.</i> , "Isolation of a nuclease-resistant decoy RNA that can protect human acetylcholine receptors from myasthenic antibodies," <i>Nature Biotechnol.</i> , 15(1):41-45 (January 1997).	
	BN	LIPPARD, S.J., <i>et al.</i> , "Platinum complexes: probes of polynucleotide structure and antitumor drugs," <i>Acc. Chem. Res.</i> , 11:211-217 (1978).	
	BO	MANN, K.G., <i>et al.</i> , "Surface-dependent reactions of the vitamin K-dependent enzyme complexes," <i>Blood</i> , 76(1):1-16 (July 1, 1990).	
	BP	NEVINS, J.R., "E2F: a link between the Rb tumor suppressor protein and viral oncoproteins," <i>Science</i> , 258(5081):424-429 (October 16, 1992).	

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	CA	PIEKEN, W.A., <i>et al.</i> , "Kinetic characterization of ribonuclease-resistant 2'-modified hammerhead ribozymes," <i>Science</i> , 253(5017):314-317 (July 19, 1991).	
	CB	RUSCONI, C.P., <i>et al.</i> , "Blocking the initiation of coagulation by RNA aptamers to factor VIIa," <i>Thrombosis and Haemostasis</i> , 84(5):841-848 (November 2000).	
	CC	SHERR, C.J., "Mammalian G1 cyclins," <i>Cell</i> , 73(6):1059-1065 (June 18, 1993).	
	CD	SHERR, C.J., and ROBERTS, J.M., "Inhibitors of mammalian G1 cyclin-dependent kinases," <i>Genes Dev.</i> , 9(10):1149-1163 (May 15, 1995).	
	CE	SULLENGER, B.A., <i>et al.</i> , "Overexpression of TAR sequences renders cells resistant to human immunodeficiency virus replication," <i>Cell</i> , 63(3):601-608 (November 2, 1990).	
	CF	TUCKER, C.E., <i>et al.</i> , "Detection and plasma pharmacokinetics of an anti-vascular endothelial growth factor oligonucleotide-aptamer (NX1838) in rhesus monkeys," <i>J. Chromatog. B, Biomed. Sci. Appl.</i> , 732(1):203-212 (September 10, 1999).	
	CG	WEINBERG, R.A., "The retinoblastoma protein and cell cycle control," <i>Cell</i> , 81(3):323-330 (May 5, 1995).	
	CH	WHITE, R.R., <i>et al.</i> , "Developing aptamers into therapeutics," <i>J. Clin. Invest.</i> , 106(8):929-934 (October 2000).	
	CI	WILLIS, M.C., <i>et al.</i> , "Liposome-anchored vascular endothelial growth factor aptamers," <i>Bioconjug. Chem.</i> , 9(5):573-582, (September-October 1998).	
	CJ	WILLIS, M.C., <i>et al.</i> , "Liposome-anchored vascular endothelial growth factor aptamers," <i>Bioconjug. Chem.</i> , 9(5):633 (September-October 1998) [Erratum, Collins, B., corrected to Collins, B.D.].	

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